

We Claim:

1. A fastening system for implanting a fastener in a hollow body organ comprising:

5 a fastener attachment assembly sized and configured to be deployed within a hollow body organ and including an actuated member that is selectively operable to generate an implantation force to implant a fastener into tissue within the hollow body organ, and

10 means associated with the fastener attachment assembly for applying a resolving force to resolve at least a portion of the implantation force within the hollow body organ.

2. A fastening system for implanting a fastener in a targeted endovascular region comprising

15 a fastener attachment assembly sized and configured to be deployed within the targeted endovascular region and including an actuated member that is selectively operable to generate an implantation force to implant a fastener into tissue in the targeted endovascular region, and

means associated with the fastener attachment assembly for applying a resolving force to resolve at least a portion of the implantation force within the targeted endovascular region.

25 3. A fastening system according to claim 1 or 2 wherein the means includes a stabilizing member.

4. A fastening system according to claim 3 wherein the stabilizing member includes a strut assembly.

30 5. A fastening system according to claim 3 wherein the stabilizing member includes a spring-loaded arm adapted for contact with tissue.

35 6. A fastening system according to claim 3 wherein the stabilizing member includes an

expandable member adapted for contact with tissue.

7. A fastening system according to claim 3
wherein the stabilizing member includes a tissue
grasping element.

5 8. A fastener system according to claim 1 or 2
wherein the fastener attachment assembly includes
a fastener applier component that carries the actuated
member and a guide component having a lumen accommodating
passage of the fastener applier and the actuated member,
10 and

wherein the means is associated with the guide
component.

9. A fastening system according to claim 8
wherein the means includes a stabilizing member
15 carried by the guide component.

10. A fastener system according to claim 9
wherein the stabilizing member includes a strut
assembly on the guide component.

11. A fastening system according to claim 9
20 wherein the stabilizing member includes a spring-
loaded arm on the guide component adapted for contact
with tissue.

12. A fastening system according to claim 9
wherein the stabilizing member includes an
25 expandable member on the guide component adapted for
contact with tissue.

13. A fastener system according to claim 9
wherein the stabilizing member includes a tissue
grasping element on the guide component.

30 14. A fastening system according to claim 8
wherein the guide component includes a
deflectable distal region.

15. A fastening system according to claim 1 or 2
wherein the fastener attachment assembly includes
35 a fastener applier component that carries the actuated

member and a guide component having a lumen accommodating passage of the fastener applier and the actuated member, and

5 wherein the means associated with the fastener applier component.

16. A fastening system according to claim 15 wherein the means includes a stabilizing member carried by the fastener applier component.

10 17. A fastener system according to claim 16 wherein the stabilizing member includes a strut assembly on the fastener applier component.

18. A fastening system according to claim 16 wherein the stabilizing member includes a spring-loaded arm on the fastener applier component adapted for
15 contact with tissue.

19. A fastening system according to claim 16 wherein the stabilizing member includes an expandable member on the fastener applier component adapted for contact with tissue.

20 20. A fastener system according to claim 16 wherein the stabilizing member includes a tissue grasping element on the fastener applier component.

21. A fastening system according to claim 1 or 2 wherein the actuated member comprises a driven
25 member for implanting a helical fastener.

22. A fastening system according to claim 1 or 2 wherein the fastener attachment assembly includes a fastener applier component that carries the actuated member, and

30 wherein the means is associated with the fastener applier component.

23. A fastening system according to claim 22 wherein the fastener applier component includes a catheter body that carries the actuated member, the
35 catheter body having a column strength, and

wherein the means includes, at least in part, the column strength of the catheter body.

24. A fastening system according to claim 22 wherein the fastener applier component includes a catheter body that carries the actuated member, and wherein the means includes, at least in part, a stabilization member carried by the catheter body.

25. A fastener system according to claim 24 wherein the stabilizing member includes a strut assembly on the catheter body.

26. A fastening system according to claim 24 wherein the stabilizing member includes a spring-loaded arm on the catheter body adapted for contact with tissue.

27. A fastening system according to claim 24 wherein the stabilizing member includes an expandable member on the catheter body adapted for contact with tissue.

28. A fastener system according to claim 24 wherein the stabilizing member includes a tissue grasping element on the catheter body.

29. A fastener system according to claim 1 or 2 wherein the fastener attachment assembly includes a fastener applier component that carries the actuated member, and

wherein the means includes a stabilization device separate from the fastener applier component that works in cooperation with the fastener applier component.

30. A fastening system according to claim 1 or 2 wherein the fastener attachment assembly includes a guide component for the actuated member, and wherein the means is associated with the guide component.

31. A fastening system according to claim 30 wherein the guide component has a column

strength, and

wherein the means includes, at least in part, the column strength of the guide component.

32. A fastening system according to claim 30
5 wherein the means includes, at least in part, a stabilization member carried by the guide component.

33. A fastener system according to claim 32
wherein the stabilizing member includes a strut assembly on the guide component.

10 34. A fastening system according to claim 32 wherein the stabilizing member includes a spring-loaded arm on the guide component adapted for contact with tissue.

35. A fastening system according to claim 32
15 wherein the stabilizing member includes an expandable member on the guide component adapted for contact with tissue.

36. A fastener system according to claim 32
wherein the stabilizing member includes a tissue grasping element on the guide component .

20 37. A fastener system according to claim 1 or 2 wherein the fastener attachment assembly includes a guide component for the actuated member, and wherein the means includes a stabilization device
25 separate from the guide component that works in cooperation with the guide component.

38. A method for implanting a fastener in a hollow body cavity comprising the steps of

30 deploying in a hollow body organ a fastener attachment assembly that includes an actuated member that is selectively operable to generate an implantation force to implant a fastener into tissue within the hollow body organ, and

35 applying a resolving force at or near the actuated member to resolve at least a portion of the

implantation force within the hollow body organ.

39. A method for implanting a fastener in a targeted endovascular region comprising the steps of

5 deploying by intraluminal passage into the targeted endovascular region a fastener attachment assembly that includes an actuated member that is selectively operable to generate an implantation force to implant a fastener into tissue in the targeted endovascular region, and

10 applying a resolving force at or near the actuated member to resolve at least a portion of the implantation force within the targeted endovascular region.